

Astronomer Royal, Observations of Minor Planets. 273

Greenwich M.T.				R.A.	Decl.	Star.
d	h	m	s	Comet—Star.	Comet—Star.	
Feb. 24	5	43	26	—3 27·6	+5 24	<i>a</i>
	49	14		—3 27·2	+5 17	<i>a</i>
	56	6		—3 26·8	+5 29	<i>a</i>
	6	3	6	+0 33·8	+0 58	<i>b</i>
	9	40		+0 34·3	+1 2	<i>b</i>
	12	2		+0 34·2	+0 53	<i>b</i>

Stars of Comparison same as before.

Results of Meridional Observations of Small Planets; Occultation of a Star by the Moon; and Phenomena of Jupiter's Satellites; observed at the Royal Observatory, Greenwich, during the month of April, 1862.

(Communicated by the *Astronomer Royal*.)

Flora (8).

Mean Solar Time of Observation.				R. A. from Observation.	N.P.D. from Observation.
	h	m	s	h m s	° ' "
1862, April 3	13	14	50·6	14 3 15·27	92 22 40·99
15	12	16	16·5	13 51 50·22	91 11 5·40
17	12	6	25·2	13 49 50·40	91 0 4·04
21	11	46	42·2	13 45 50·39	90 39 16·90
22	11	41	46·9	13 44 50·87	90 34 27·76
24	11	31	57·4	13 42 52·80	90 25 6·09
26	11	22	9·5	13 40 56·38	90 16 17·62
28	11	12	23·8	13 39 2·26	90 8 8·48
30	11	2	41·1	13 37 11·04	90 0 35·02

Melpomene (18).

Mean Solar Time of Observation.				R. A. from Observation.	N.P.D. from Observation.
	h	m	s	h m s	° ' "
1862, April 22	13	11	57·5	15 15 16·28	92 28 42·64
29	12	38	18·2	15 9 7·30	91 43 32·50

Fortuna (19).

Mean Solar Time of Observation.				R. A. from Observation.	N.P.D. from Observation.
	h	m	s	h m s	° ' "
1862, April 17	9	55	53·5	11 38 57·33	88 47 7·61
21	9	38	10·4	11 36 57·47	88 31 21·76

274 *Astronomer Royal, Observations of Minor Planets.**Thalia* (28).

Mean Solar Time of Observation.	R.A. from Observation.			N.P.D. from Observation.					
	h	m	s	h	m	s	°	'	"
1862, April 3	9	32	13.4	10	20	1.57	62	11	46.71

Euterpe (27).

Mean Solar Time of Observation.			R.A. from Observation.			N.P.D. from Observation.		
	^h	^m ^s	^h	^m ^s	^h	^m ^s	^h	^m ^s
1862, April 3	12	49 26.1	13	37 46.66	97	26 2.94		
17	11	40 56.1	13	24 17.12	96	9 42.67		
21	11	21 29.1	13	20 33.19	95	49 26.26		
24	11	7 0.5	13	17 51.80	95	35 0.59		
25	11	2 12.6	13	16 59.70	95	30 24.92		
28	10	47 55.0	13	14 29.45	95	17 23.52		
29	10	43 11.2	13	13 41.41	95	13 15.87		

Amphitrite (29).

Mean Solar Time of Observation.	R.A. from Observation.			N.P.D. from Observation.		
h m s	h m s	h m s	o ' "			
1862, April 17	9 45 9.8	11 28 11.83	87 59 18.66			
21	9 27 35.5	11 26 20.87	87 54 55.24			
23	9 18 57.3	11 25 34.38	87 53 30.20			
28	8 57 48.1	11 24 4.40	87 52 13.47			
29	8 53 38.8	11 23 51.06	87 52 26.30			

All the observations of N.P.D. have been corrected for refraction and parallax.

The reappearance of B.A.C. 4923, on 1862, April 15, at the Moon's bright limb was observed by Mr. Criswick to take place at 13^h 50^m 34^s.7 G.M.T.

Phenomena of Jupiter's Satellites.

Day of Observation.	Satellite.	Phenomenon.	Mean Solar Time.			Observer.
			h	m	s	
1862.						
April 15	I	Egress, bisection	13	58	48.6	C.
15	I	„ last cont.	14	0	18.3	C.
17	I	„ bisection	8	25	25.1	J. C.
22	I	Ingress, bisection	13	29	58.8	E.
24	I	Egress, bisection	10	12	7.9	D.
24	I	„ last cont.	10	15	7.4	D.
25	I	Eclipse, reapp.	8	17	55.3	J. C.
25	II	Eclipse, reapp.	11	11	55.0	J. C.

The initials D., E., C., and J. C., are respectively those of Mr. Dunkin, Mr. Ellis, Mr. Criswick, and Mr. Carpenter.